

# Responsive Web Layout for Mobile Devices

Responsive sections :

- [Responsive - Common components](#)
- [Responsive - Homepage](#)
- [Responsive - Navigation](#)

## Rationale

Today, tablets are becoming the primary browsing and computing device at home and will clearly overtake laptop or desktop in the next few years.

Our Social Intranet is clunky on tablet browser which drives user away. For instance, a user wants to read cosily on his tablet and navigate without squint and pinch their screens.

A responsive design will help to delight and engage users.

The purpose of this feature is not to create a responsive site template but to have a responsive Social Intranet for tablet. The site Intranet will be designed with responsive principals to give a better experience regardless if we use a desktop or a tablet.

The baseline for Bootstrap is v2.3

## Touchscreen

Mainly, mobile or tablet are handled with one hand and the user navigates with one finger. Graphic elements (link, icon or other elements) must be considered to improve the accuracy of a touch.

It exists 2 kind of zones:

- **Touch target:** the area where the user can touch to perform an action
- **Visual target:** include all the UI elements that allow an interaction, attract the user's eyes, highlight actionable elements and reassure the user in his navigation.

Both facets must be balanced between the actions spotting, prevent wrong manipulation and the target accuracy. Apple's "Human Interface Guidelines" for iOS state that a comfortable size for a tappable UI element is at least 44 × 44 pixels.

## Device Size

Width	Category
< 768px	Extra small devices (Phone)
≥ 768px	Small devices (Tablet)
≥ 992px	Medium devices (Desktop)
≥ 1200px	Large devices (Desktop)

Size based Bootstrap grid system.

## Data

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Site	Desktop	Mobile	Tablet
Community	97%	1.5%	1.5%
eXo Cloud	96%	2.2%	1.8%

*Figures based on Google Analytics January 2014.*

## Devices details

Name	Inches	Resolution	Category
Old Android phone	3.2	240 x 320	Extra Small (Phone)
iPhone 4/4s	3.5	640×960	Extra Small (Phone)
iPhone 5	4	640 × 1136	Extra Small (Phone)
iPhone 6	4.7	750 x 1334	Extra Small (Phone)
HTC One	4.7	1080 × 1920	Extra Small (Phone)
iPhone 6 Plus	5.5	1080 x 1920	Extra Small (Phone)
iPad Mini	7.9	768 × 1024	Small (Tablet)
Amazon Kindle Fire HD	8.9	1920 × 1200	Small (Tablet)
iPad (1 & 2)	9.7	1024 × 768	Small (Tablet)
iPad (3rd Gen)	9.7	2048 × 1536	Small (Tablet)
Samsung Galaxy Tab	10.1	1280 × 800	Small (Tablet)
Apple MacBook Pro	13	2560 × 1600	Medium (Desktop)
Sony Vaio F	16.4	1920 × 1080	Medium (Desktop)
Apple iMac	27	2560 × 1440	Large (Desktop)

## References

Menu :

- Slidebars:
  - <http://plugins.adchsm.me/slidebars/>
  - <http://www.caffeineinformer.com/>
  - mmenu:
  - <http://mmenu.frebsite.nl/>
- The Ol' Right-to-Left pattern : <http://www.sony.com/index.php>
- Off-Canvas Flyout pattern :
  - <http://coding.smashingmagazine.com/2013/01/15/off-canvas-navigation-for-responsive-website/>
  - <http://missouri.edu/>
  - <http://www.nd.edu/>
  - <http://facebook.com>

Some examples :

- <http://www.createthebridge.com/>

- <http://www.cloudnine.se/>
- <http://ledbow.cz/home>
- <http://www.jyskebank.dk/wps/portal/jfo/forside~~~> `{{/tip}}`  
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